

Title (en)
Soil removal device

Title (de)
Bodenabtragsvorrichtung

Title (fr)
Dispositif d'excavation du sol

Publication
EP 1950353 B1 20090722 (DE)

Application
EP 07001768 A 20070126

Priority
EP 07001768 A 20070126

Abstract (en)
[origin: EP1950353A1] The device has a base body connected to a carrier implement. Soil working tools are arranged on a work unit (20) that is supported on the base body. A rotary device is provided for rotating the work unit with respect to the base body about a rotation axis (34). The rotary device has a linear drive and a rope or chain transmission, through which a linear movement generated by the linear drive is translated into a rotating movement. A setting wheel (52) is arranged in a portion of a bearing device and coaxially to the axis of rotation.

IPC 8 full level
E02D 17/13 (2006.01); **E02F 3/413** (2006.01); **E02F 3/47** (2006.01); **E02F 5/02** (2006.01)

CPC (source: EP KR US)
E02D 17/13 (2013.01 - EP US); **E02F 3/413** (2013.01 - EP US); **E02F 3/475** (2013.01 - EP US); **E02F 5/00** (2013.01 - KR); **E02F 5/02** (2013.01 - KR)

Cited by
EP2801668A1; EP4105389A1; EP2184403A1; ITTO20080815A1; CN106978830A; US2021348364A1; US11898325B2; WO2020089335A1; EP3798367A1; EP3725950A1; EP3725951A1; WO2022238735A1; EP3725950B1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1950353 A1 20080730; EP 1950353 B1 20090722; AT E437271 T1 20090815; CA 2617302 A1 20080726; CA 2617302 C 20121002; CN 101230583 A 20080730; CN 101230583 B 20120627; DE 502007001118 D1 20090903; ES 2328521 T3 20091113; HK 1120843 A1 20090409; JP 2008184893 A 20080814; JP 4686557 B2 20110525; KR 101001726 B1 20101215; KR 20080070562 A 20080730; PL 1950353 T3 20091130; RU 2007148541 A 20090710; RU 2366780 C1 20090910; UA 89412 C2 20100125; US 2008179069 A1 20080731; US 7685749 B2 20100330

DOCDB simple family (application)
EP 07001768 A 20070126; AT 07001768 T 20070126; CA 2617302 A 20080107; CN 200810008847 A 20080125; DE 502007001118 T 20070126; ES 07001768 T 20070126; HK 08112437 A 20081113; JP 2008013007 A 20080123; KR 20080007660 A 20080124; PL 07001768 T 20070126; RU 2007148541 A 20071227; UA A200800909 A 20080125; US 780708 A 20080115